

PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1
 Stylesheet Version v1.2

EPAS ID: PAT2713569

SUBMISSION TYPE:	NEW ASSIGNMENT												
NATURE OF CONVEYANCE:	ASSIGNMENT												
CONVEYING PARTY DATA													
<table border="1"> <thead> <tr> <th>Name</th> <th>Execution Date</th> </tr> </thead> <tbody> <tr> <td>YUUCHI MATSUSHITA</td> <td>01/20/2014</td> </tr> <tr> <td>TOSHIHIRO KODAMA</td> <td>01/20/2014</td> </tr> <tr> <td>KIYOSHI HARADA</td> <td>01/20/2014</td> </tr> <tr> <td>HIROKAZU AKATSUKA</td> <td>01/21/2014</td> </tr> <tr> <td>TAKAHIRO TSUCHIYA</td> <td>01/20/2014</td> </tr> </tbody> </table>		Name	Execution Date	YUUCHI MATSUSHITA	01/20/2014	TOSHIHIRO KODAMA	01/20/2014	KIYOSHI HARADA	01/20/2014	HIROKAZU AKATSUKA	01/21/2014	TAKAHIRO TSUCHIYA	01/20/2014
Name	Execution Date												
YUUCHI MATSUSHITA	01/20/2014												
TOSHIHIRO KODAMA	01/20/2014												
KIYOSHI HARADA	01/20/2014												
HIROKAZU AKATSUKA	01/21/2014												
TAKAHIRO TSUCHIYA	01/20/2014												
RECEIVING PARTY DATA													
<table border="1"> <tr> <td>Name:</td> <td>HITACHI-GE NUCLEAR ENERGY, LTD.</td> </tr> <tr> <td>Street Address:</td> <td>1-1, SAIWAI-CHO 3-CHOME</td> </tr> <tr> <td>City:</td> <td>HITACHI-SHI, IBARAKI</td> </tr> <tr> <td>State/Country:</td> <td>JAPAN</td> </tr> </table>		Name:	HITACHI-GE NUCLEAR ENERGY, LTD.	Street Address:	1-1, SAIWAI-CHO 3-CHOME	City:	HITACHI-SHI, IBARAKI	State/Country:	JAPAN				
Name:	HITACHI-GE NUCLEAR ENERGY, LTD.												
Street Address:	1-1, SAIWAI-CHO 3-CHOME												
City:	HITACHI-SHI, IBARAKI												
State/Country:	JAPAN												
PROPERTY NUMBERS Total: 1													
<table border="1"> <thead> <tr> <th>Property Type</th> <th>Number</th> </tr> </thead> <tbody> <tr> <td>Application Number:</td> <td>14172224</td> </tr> </tbody> </table>		Property Type	Number	Application Number:	14172224								
Property Type	Number												
Application Number:	14172224												
CORRESPONDENCE DATA													
<p>Fax Number: (202)628-8844 Phone: 202-624-2500 Email: lbuckler@crowell.com <i>Correspondence will be sent via US Mail when the email attempt is unsuccessful.</i> Correspondent Name: CROWELL & MORING LLP Address Line 1: 1001 PENNSYLVANIA AVENUE, NW Address Line 4: WASHINGTON, DISTRICT OF COLUMBIA 20004</p>													
ATTORNEY DOCKET NUMBER:	106306.66291US												
NAME OF SUBMITTER:	RICHARD R. DIEFENDORF												
Signature:	/Richard R. Diefendorf, Reg. No. 32,390/												
Date:	02/05/2014												
Total Attachments: 1 source=66291US-Assignment#page1.tif													

ASSIGNMENT

(譲 渡 証)

As a below named inventor, I hereby declare that:

IN CONSIDERATION of the sum of One Dollar (\$1.00) or the equivalent thereof, and other good and valuable consideration paid to me citizen of Japan by Hitachi-GE Nuclear Energy, Ltd., corporation organized under the laws of Japan, located at 1-1, Saiwai-cho 3-chome, Hitachi-shi, Ibaraki Japan receipt of which is hereby acknowledged I do hereby sell and assign to said Hitachi-GE Nuclear Energy, Ltd., its successors and assigns, all my right, title and interest, in and for the United States of America, in and to

GAP EXPANDING METHOD OF BALL SCREW AND FINE MOTION CONTROL ROD DRIVE MECHANISM INCORPORATING GAP EXPANDED BALL SCREW

invented by me (if only one is named below) or us (if plural inventors are named below) and described in the application for United States Letters Patent therefor, executed on even date herewith, and all United States Letters Patent which may be granted therefor, and all divisions, continuations and extensions thereof, the said interest being the entire ownership of the said Letters Patent when granted, to be held and enjoyed by said Hitachi-GE Nuclear Energy, Ltd., its successors, assigns or other legal representatives, to the full end of term for which said Letters Patent may be granted as fully and entirely as the same would have been held and enjoyed by me or us if this assignment and sale had not been made;

And I hereby agree to sign and execute any further documents or instruments which may be necessary, lawful, and proper in the prosecution of the above-named application or in the preparation and prosecution of any continuing, continuation-in-part, substitute, divisional, renewal, reviewed or reissue applications or in any amendment, extension, or interference proceedings, or otherwise to secure the title thereto in said assignee;

And I do hereby authorize and request the Commissioner of Patents to issue said Letters Patent to said Hitachi-GE Nuclear Energy, Ltd..

Signed on the date(s) indicated aside our signatures:

INVENTOR(S) (発明者フルネームサイン)	Date Signed (署名日)
1) <u>Yuuichi Matsushita</u> Yuuichi MATSUSHITA	<u>1 / 20 / 2014</u>
2) <u>Toshihiro Kodama</u> Toshihiro KODAMA	<u>1 / 20 / 2014</u>
3) <u>Kiyoshi Harada</u> Kiyoshi HARADA	<u>1 / 20 / 2014</u>
4) <u>Hirokazu Akatsuka</u> Hirokazu AKATSUKA	<u>1 / 21 / 2014</u>
5) <u>Takahiro Tsuchiya</u> Takahiro TSUCHIYA	<u>1 / 20 / 2014</u>
6) _____	_____
7) _____	_____
8) _____	_____
9) _____	_____
10) _____	_____